XP-002134847

AN 1998-85656 CROPU [redacted] G P
TI Method for culture of fruit trees comprises applying an oligosaccharide alginate, particularly foliar application, and maturation of young fruits.
IN ——
PA Meiji-Seika
LO Jap.
PI JP 10066449 A 19980310
AI JP 1996-225386 19960827
DT Patent
LA Japanese
OS 1998-224242 [20]
AB A method is claimed for culture of fruit trees is claimed, comprising application (particularly foliar application) of an oligosaccharide alginate (AO), for maturation of young fruits or stimulation of colouri of fruits. The AOs include mixtures of oligosaccarides composed of ***guluronic*** acid and/or ***mannuronic*** acid, with a polymerization degree of 2-20. The mixtures are adjusted to pH 1-9 and heated, preferably at 100-130 deg, for 15-180 min; the resulting fertilizer is diluted to 100-1000 (preferably 200-500) ppm AO and spray 1-3 times per mth. In an example, AO (500 ppm) was sprayed onto citrus trees 4 times during 50 d maturation together with 300 ppm urea. The average fruit size was 29.2 mm; average fruit sizes in untreated control and in fruit treated with AO or urea alone were resp. 27.1, 28.7 and 28. mm. (4 pp.) (No EX).
SH C Chemistry
G Galenics
P Plant Biology
CT CITRUS *TR; FRUIT-CROP *TR; CROP *TR; PLANT-GROWTH-INDUCTOR *FT; PLANT-GROWTH-REGULATOR *FT; FRUITING-REGULATOR *FT; PLANT-GROWTH-INDUCTORS *FT; PLANT-GROWTH-REGULATORS *FT; FRUITING-REGULATORS *FT; OLIGOSACCHARIDE *FT; FOLIAR *FT; SPRAY *FT; BIOASSAY *FT; DOSAGE *FT; COMB.PREP. *FT; SINGLY *FT; APPL.TECHNIQUE *FT; ALGINATE *TR; ALGINATE *RN; ADDITIVES *FT; CARRIERS *FT; TR *FT. UREA *TR; UREA *RN; N-FERTILIZERS *FT
FA LA; CT